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CLAIMS:

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- 1. Magnetic head for a magneto-optical device, comprising a plurality of substantially parallel planar layers (13,15), including a layer (13) comprising a coil formed by a plurality of turns (14) of an electrically conductive winding, the turns (14) lying substantially in a plane defined by the layer (13) and the winding being substantially centered on a central axis perpendicular to the plane, and further including a yoke layer (15) comprised of an anisotropic flux guiding material, wherein the yoke layer (15) comprises a plurality of segments (16;18;20;22) of flux guiding material dividing the yoke layer (15) into sectors which together surround the central axis, wherein, in each sector, the flux guiding material has an easy axis in a plane of the yoke layer with a direction different from the direction of the easy axis in an adjacent sector.
- 2. Magnetic head according to claim 1, wherein the easy axis of magnetization is substantially perpendicular to the radial direction along the bisector of each sector.
- Magnetic head according to claim 1 or 2, wherein the segments (16;18;20) define the perimeters of an optical opening (5;17;19;21) that is substantially centered on the central axis.
- 4. Magnetic head according to any one of the preceding claims, wherein the segments (16;18;20;22) extend beyond a maximum dimension of the winding in the radial direction.
 - Magnetic head according to any one of the preceding claims, wherein at least two adjacent segments (16;18;20;22) are separated by an electrically insulating barrier.
 - 6. Magnetic head according to any one of the preceding claims, wherein the segments (16;18;22) divide the yoke layer (15) into four sectors.

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- 7. Magnetic head according to any one of the preceding claims, wherein turns (14) closer to the central axis have a smaller width than turns (14) further away from the central axis.
- Magnetic head according to any one of the preceding claims, wherein the flux guiding material is covered at least partly by a non-magnetic heat-conducting layer.
 - 9. Magneto-optical device comprising a magnetic head (3) according to any one of claims 1 to 8.

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10. Magneto-optical device according to claim 9, wherein the magnetic head (3) is integrated in an actuated movable body (1).